

**In the Abstract:**

Please replace the Abstract as follows:

Described is a sensor unit having a measured signal receiver, which registers a measured signal, an A/D converter for digitizing the measured signal, a transceiver device for wireless data communication to an environmental device, and a processor. The processor is a control processor for activating the measured signal receiver, the A/D converter, and the transceiver device. The digitized measured signal is transmitted directly via the transceiver device to the environmental device, without the complex and performance-intensive and therefore costly analysis occurring in the sensor unit.